



OMB No. 2010-0032  
Expiration Date 08/30/06

## **2005 Performance Track Annual Performance Report**

# **Covanta Hempstead Company A020052**

**Year 1 Annual Performance Report  
Member Since 2002 (2nd Member Term)**

**SECTION A: GENERAL FACILITY INFORMATION**

## A.1 Name of your facility:

Covanta Hempstead Company

## A.2 Name of your parent company:

Covanta Energy

## A.3 Facility contact person for the Performance Track program:

Name: Mr. Scott Wheeler  
Title: Environmental Engineer  
Phone: (516) 683-5438  
Fax: (516) 683-1413  
Email: [swheeler@covantaenergy.com](mailto:swheeler@covantaenergy.com)

## A.4 Facility location:

Street Address: 600 Merchants Concourse  
Address Cont:  
City: Westbury  
State: NY  
Zip Code: 11590

## Mailing address (if different from above):

Mailing Address:  
Address Cont:  
City:  
State:  
Zip Code:

If your facility has multiple street addresses,  
please list any other addresses for its sites or buildings.

## A.5 Facility's website address (if any):

<http://www.covantaenergy.com>

A.6 Number of employees (full-time equivalents) who currently work in the facility:

50-99

A.7 North American Industrial Classification System (NAICS) Code(s) that is(are) used to classify business at the facility:

562213 221119

In your application and, perhaps, in previous annual performance reports, you described what your facility does or makes. Have there been any (additional) changes to your facility's list of products and/or activities?

No

If yes, please list them here:

A.9 Have the environmental requirements applicable to your facility changed during this reporting period?

No

If yes, please describe these changes here:

---

## Section B: ENVIRONMENTAL MANAGEMENT SYSTEM

B.1.a When was an EMS assessment last conducted by an independent party at your facility?

2005

If an assessment was conducted during 2005, please provide the type (e.g., ISO 14001 certification), the scope, and the month(s) of each assessment.

Type	Scope	Dates
Environmental Management System Audit	The scope of the audit was to assess the conformance of the Facility's EMS to the requirements of ISO 14001 and USEPA's NEPT Program Independent Assessment Protocol.	June 2005

B.1.b When was an internal EMS assessment last conducted at your facility?

2005

If an assessment was conducted during 2005, please provide the scope and month(s) of each assessment.

Scope	Dates
An environmental meeting is held each quarter with corporate environmental personnel, including the Vice President of Environmental Quality Management (when available) and the Regional Environmental Manager, and plant management to discuss all on-going environmental issues - both compliance related and those associated with the EMS and/or best management practices. Minutes of the meeting are recorded and distributed, and action items are tracked to completion. The date provided is for the last of these meetings in 2005, which was attended by the VP-EQM.	September 2005

B.1.c When was an internal or corporate compliance audit last conducted at your facility?  
2005

If an audit was conducted during 2005, please provide the scope and the month(s) of each audit, and indicate who conducted the audit(s) (e.g., facility staff, corporate groups, third party). (Don't include audits, inspections, or site visits by regulatory or external organizations).

Scope	Dates	Who conducted the audit
An internal compliance audit was conducted each quarter in 2005 and the results were incorporated into the quarterly bonus paid to all hourly employees at the Facility. The Facility was inspected for items such as housekeeping, chemical storage, control of fugitive emissions, regulatory reporting, and proper waste management. To foster continuous improvement, bonus targets were set at the average score from the previous two years and the Facility had to perform at a level above average to earn the maximum available bonus. The date listed is for the last audit conducted in 2005.	December 2005	The Regional Environmental Manager responsible for the six facilities in Covanta's Metro NY/NJ Region.
A second audit was conducted each quarter by Facility management. These audits followed the same criteria as the audits conducted by the Environmental Manager and the scores were averaged together to determine the bonus level for the hourly employees. The date listed is for the last audit conducted in 2005.	November 2005	The Facility Manager, Operations Manager, Maintenance Manager, and Facility Environmental Engineer.
A general facility inspection is completed each year by an individual licensed to practice engineering in the State of New York. The purpose of the inspection is to verify compliance with all applicable regulations and to evaluate the operating condition of the Facility equipment. The results of the inspection are documented in a summary report and submitted to the NYS Department of Environmental Conservation.	December 2005	The Regional Environmental Manager responsible for the six facilities in Covanta's Metro NY/NJ Region.

(Optional) If you would like to describe any other audits or inspections that were conducted at B.1.d your facility, please do so here.

An on-site Environmental Monitor from the NYS Department of Environmental Conservation is assigned to the Facility and conducts compliance inspections an average of two to three times per week. He focuses on solid waste management and air quality regulations and reports his findings to the Facility after each inspection. In addition, the Environmental Monitor completes a more thorough inspection of the air quality requirements, including a review of records, each quarter.

Briefly summarize corrective actions taken and other improvements made as a result of your

**B.1.e EMS assessments and compliance audits.**

The following corrective actions were taken as a result of our independent EMS audit: the Environmental Policy was modified to clearly state certain commitments that were previously only inferred, and a section on the Facility EMS, including the aspect analysis, was added to the annual environmental refresher training for all employees.

In addition, the following actions were taken as a result of compliance audits: targeted training was provided to all Control Room Operators, a binder was created to gather memos and explanations related to CEMS, the controls for the air pollution control equipment were upgraded to allow faster response to upsets, and the SO2 set point during CEMS calibration periods was lowered to help ensure continuous compliance.

**B.1.f Has your facility corrected all instances of potential non-compliance and EMS non-conformance identified during your audits and other assessments?**

No

If no, please explain your plans to correct these instances.

While not a direct compliance or EMS requirement (more of a best management practice), we have an open action item to revise our CEMS excursion avoidance procedures and post them in the Control Room. An update has been drafted and is currently being reviewed by the operators. We expect to issue the new procedures by the end of April, 2006.

**B.1.g When was the last Senior Management review of your EMS completed?**

January 06

Who was the senior manager present at the review?

Name: Mr. Kenneth Armellino, P.E.

Title: Regional Environmental Manager

**B.2.a ISO 14001 Certification. Is your facility currently certified to ISO 14001?**

No

**B.2.b Is your facility a Responsible Care-certified facility?**

No

**B.3 Environmental Aspects Identification. When did your facility last conduct a systematic identification and/or review of your environmental aspects?**

August 05

## SECTION C: ENVIRONMENTAL PERFORMANCE RESULTS

### C.1 COMMITMENT 1

**Covanta Hempstead Company's first commitment is to reduce the facility's transportation energy use, specifically diesel fuel.**

C.1.a Briefly describe your activities and achievements related to this commitment or, if relevant, any circumstances that delayed progress this year.

In May 2005, we purchased three fuel catalyst devices that will be installed on our heavy equipment (two payloaders and a mobile sweeper) and we are currently working with the supplier to schedule a date for installation. We also gathered additional baseline data in terms of gallons per hour that the equipment is used. One delay that we encountered was the replacement of our mobile sweeper. Since we did not want to install the fuel catalyst on the old sweeper, only to have to remove it, we waited for the delivery of the new sweeper, which occurred in late 2005.

C.1.b Please report your facility's actual performance.

Performance Data						
Flexible Form Needed?		No				
	Baseline	Year 1	Year 2	Year 3	Perform.	
Calendar Year	2004	2005	2006	2007	Goal	Units
Exclude	No	No	No	No	No	
Reason for Exclusion						
Actual Quantity (per year)	44,421	45,160			n/a	gallons

C.1.c Normalized progress toward goal.

Normalized Total	Baseline	Year 1	Year 2	Year 3	Perform. Goal	Units
Normalizing Factor	1.0	0.996				
Normalized Quantity	44,421	45,341.37			42,871	gallons
Basis for your Normalizing Factor:	The normalizing factor for this Commitment is the number of kilopounds of steam generated in the facility's boilers, which is directly related to the number of tons of					

solid waste processed. Tons processed determines the number of hours the front-end loaders are used, and in turn, the amount of fuel consumed.
--

## C.1 Explain Exclusions

C.1.d Please list any other EPA voluntary programs to which you are reporting these data.

None

## C.2 COMMITMENT 2

**Covanta Hempstead Company's second commitment is to reduce the facility's production of noise.**

C.2.a Briefly describe your activities and achievements related to this commitment or, if relevant, any circumstances that delayed progress this year.

No progress has been made toward this commitment because it requires a capital project that had to be budgeted for 2006. The project, which includes installation of a new air compressor, is currently scheduled for late summer, 2006.

C.2.b Please report your facility's actual performance.

Performance Data						
Flexible Form Needed?		No				
	Baseline	Year 1	Year 2	Year 3	Perform.	
Calendar Year	2004	2005	2006	2007	Goal	Units
Exclude	No	No	No	No	No	
Reason for Exclusion						
Actual Quantity (per year)	100	100			80	dBA

C.2.c Normalized progress toward goal.

Normalization is not applicable for this commitment

## C.2 Explain Exclusions

C.2.d Please list any other EPA voluntary programs to which you are reporting these data.

None



### C.3 COMMITMENT 3

**Covanta Hempstead Company's third commitment is to increase the facility's land and habitat conservation.**

C.3.a Briefly describe your activities and achievements related to this commitment or, if relevant, any circumstances that delayed progress this year.

The monetary donation to achieve this commitment was made to the Center for Science Teaching and Learning, located at the Tanglewood Preserve in Rockville Center, NY in December 2005. The funds will be used to purchase a litter control device and a silt fence that will be installed at the entrance to the creek that feeds the Preserve's stream and pond system to preserve this habitat for native species. The litter control device is scheduled to be installed in early Summer 2006.

C.3.b Please report your facility's actual performance.

Performance Data						
Flexible Form Needed?		No				
Calendar Year	Baseline	Year 1	Year 2	Year 3	Perform.	Units
	2004	2005	2006	2007	Goal	
Exclude	No	No	No	No	No	
Reason for Exclusion						
Actual Quantity (per year)	0	0			10	acres

C.3.c Normalized progress toward goal.

Normalization is not applicable for this commitment

C.3 Explain Exclusions

C.3.d Please list any other EPA voluntary programs to which you are reporting these data.

None

### C.4 COMMITMENT 4



**Covanta Hempstead Company's fourth commitment is to reduce the facility's NOx emissions.**

C.4.a Briefly describe your activities and achievements related to this commitment or, if relevant, any circumstances that delayed progress this year.

This commitment was met in 2005 by injecting additional chemical reagent (urea) into the Facility's three furnaces, above and beyond the quantity required to achieve compliance with our NOx emission limit.

C.4.b Please report your facility's actual performance.

Performance Data						
Flexible Form Needed?		No				
	Baseline	Year 1	Year 2	Year 3	Perform.	
Calendar Year	2004	2005	2006	2007	Goal	Units
Exclude	Yes	Yes	Yes	Yes	Yes	
Reason for Exclusion		Excluded per susan's comment in review form - NOx level only reflects compliance.				
Actual Quantity (per year)	1,698	1,323.5			n/a	Tons

C.4.c Normalized progress toward goal.

Normalized Total	Baseline	Year 1	Year 2	Year 3	Perform. Goal	Units
Normalizing Factor	1.0	0.996				
Normalized Quantity	1,698	1,328.82			1,442	Tons
Basis for your Normalizing Factor:	The normalizing factor for this Commitment is the number of kilopounds of steam generated in the facility's boilers, which is directly related to facility availability and therefore, potential mass emissions of NOx.					

#### C.4 Explain Exclusions

Excluded per susan's comment in review form - NOx level only reflects compliance.

C.4.d Please list any other EPA voluntary programs to which you are reporting these data.

None

#### Progress Towards Other Significant Aspects of your EMS

In the table below, please provide a narrative summary of progress made toward EMS objectives and targets other than those reported as Environmental Performance Commitments. You may limit

the summary to environmental aspects that are significant and towards which progress has been made during the reporting year.

Do you have additional environmental aspects to report? Yes

Environmental Aspect	Progress Made This Year (e.g., quantitative or qualitative improvements, activities conducted)
USEPA Performance Track Membership	In 2005, we successfully renewed our membership in the Performance Track program and completed two of our four new performance commitments.
Solid Waste Management	As a large waste-to-energy facility, we maintain an inventory of 5,000 to 20,000 tons of municipal solid waste on site, depending on the time of year. One of our continuing objectives is to maintain this inventory in such a way as to allow regular pit rotations. We were successful in doing so in 2005 and all rotations were completed as scheduled.

Attachments (if applicable) :

---

## SECTION D: PUBLIC OUTREACH AND PERFORMANCE REPORTING

- D.1 Please briefly describe the activities that your facility conducted during the year to interact with the community on environmental issues and to report publicly on environmental performance.
1. The Facility Manager and Environmental Engineer meet with the local Solid Waste Advisory Committee (SWAC) approximately every 6 weeks to discuss environmental and operational issues at the Facility and to answer any questions from the group. There were 8 meetings in 2005.
  2. The Facility held its 15th annual recycling poster contest in 2005, which attracted 1343 entries from 32 elementary schools. Prizes were awarded to the top three posters in each age group.
  3. The Facility hosted a total of 83 tours for 1430 visitors in 2005. Of these, 15 tours (218 students) were for science courses such as Biology and Environmental Science taught at local colleges. The lab book for the Biology 101 course taught at the local community college includes a section on Covanta Energy and each class takes a plant tour.
  4. The Hempstead Facility was recognized as the "Large Waste-to-Energy Facility of the Year" by the American Society of Mechanical Engineers (ASME) in May 2005. Our application for the award hi-lighted our beyond-compliance environmental management practices and our participation in the Performance Track program.

- D.2 Please indicate which of the following methods your facility plans to use to make its Performance Track Annual Performance Report available to the public. Please check all that apply.

Web Site, Open House, Meetings, Community Advisory Panel

URL: <http://www.covantaenergy.com>

Attachments (if applicable):

OMB No. 2010-0032

---

## **SECTION E: SELF-CERTIFICATION OF CONTINUED PROGRAM PARTICIPATION FOR ANNUAL PERFORMANCE REPORT**

The U.S. Environmental Protection Agency is not yet in a position to accept electronic signatures and therefore requests a faxed, signed copy of the Section E page. Please complete Section E online, then print Section E using the link on the Overview page. Section E should be signed by the senior manager of your facility and faxed it to the Performance Track Information Center at (617) 354-0463.

On behalf of Covanta Hempstead Company, I certify that:

- I have read and agree to the terms and conditions as specified in the National Environmental Performance Track Program Guide. This facility, to the best of my knowledge, continues to meet all program criteria;
- I have personally examined and am familiar with the information contained in this Annual Performance Report. The information contained in this report is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete;
- My facility has an environmental management system (EMS), as defined in the Performance Track EMS criteria, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements; and the facility has corrected all identified instances of potential or actual noncompliance; and
- Based on the foregoing compliance assessments and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environment Performance Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision. I am the senior manager with responsibility for the facility and am fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is part of the National Environmental Performance

Track program.

Signature/Date:

Name: Mr. Kenneth Straitz  
Title: Facility Manager  
Phone Number: 516-683-5444  
E-Mail Address: kstraitz@covantaenergy.com  
Facility Name: Covanta Hempstead Company  
Facility Street Address: 600 Merchants Concourse  
Westbury, NY 11590

Mailing Address:

Performance Track ID#: A020052